

10 m Pan USA Select Readme File



The USA Select product is a statewide tonal balanced, 30'x30' SPOTView product designed to be load-n-go into GIS and image processing systems. The source imagery is SPOT PAN 10 m data.

SCENE SELECTION:

The most current imagery was preferred. Fall/Winter/Spring (leaf-off) scenes were preferred, but summer (leaf-on) imagery was used if scene gaps were present.

SCENE DATABASE:

The "scenelat.shp" file contains ARC/VIEW shape files that include detailed information of the SPOT PAN scenes that were processed to create the final product. This file is unprojected. The "sceneutm.shp" file contains ARC/VIEW shape files that have the same information in UTM projection. The attached "sc_met.doc" describes the most commonly used fields of the scenes file.

FRAMES:

The dataset was provided as 30'x30' frames. These frames were defined as quadrants of the USGS 1 deg. x 1 deg. grid and were produced for all 30'x30' cells which intersect with the state boundary including coastal islands. Data file names were composed as follows: The 1st 3 digits refer to the Latitude and the 4th – 7th digits to the Longitude of the lower right corner of the 1 deg. by 1 deg. block in which it belongs. The 8th digit is the 30'x30' tile number as determined by the tile's position in the 1 deg. x 1 deg. block. Tile 1 is in the upper left, tile 2 in the upper right, tile 3 in the lower left, tile 4 in the lower right. File name example: N34W1094.TIF. The "framelat.shp" file contains ARC/VIEW shape files that indicate the extent and file name of each 30'x30' frame. This file is unprojected. The "frameutm.shp" file contains ARC/VIEW shape files that indicate the same information in UTM projection.

FILE FORMATS:

Files are in GEOSPOT VERSION 4.1 format. File format consists of these files:

- *filename.TIF* – This is the imagery file, imagery is in GEOTIFF untiled format. This file is compliant with the TIFF version 6 specifications issued by Aldus/Adobe Corporation in June 1992. Contains the georeferencing tags compliant with the GeoTIFF specification 1.0 issued by NASA Jet Propulsion Laboratory in September, 1995.
- **ASCII .DSC File** - lists all files on media



- **ASCII .REP File** - the first file of each product is the Geospot Report File. It has the same name as the product and describes the content of the product it belongs to: product general information, structure definition (numbering and names of files), cartographic parameters and framing information.
- **ASCII .HDR File** - all pertinent georeferencing information for the image data including file sizes in pixels (columns) and lines (rows), pixel size, and map coordinates for georeferencing the upper left corner of the image file.
- **ASCII .CLR File** - prescribed standard lookup table for image display. Use of this file is optional. This file can also be used for pseudo-coloring an image or thematic map.
- **ASCII .RSC File** - the Raster Source Description File provides information about the sources of the raster file (origin, sensors...)

SOFTWARE REQUIREMENTS:

The dataset requires a software package capable of loading and displaying SPOTView raster images. Most major GIS (Geographic Information Systems) and IP (Image Processing) software that work in the geographic domain are capable of loading, translating, and ingesting SPOTView data.

PROJECTION INFORMATION:

This dataset is provided in UTM NAD83.

ACCURACY:

The provide dataset follows our SPOTView specifications for positional (horizontal) accuracy of 12 meters or better with 90% confidence.

ADDITIONAL INFORMATION:

For additional information about this product contact
SPOT Image Corporation
1897 Preston White Drive
Reston, VA 20191
Ph. 1 800 ASK SPOT